

Amendments to the Claims

1. *(Original)* A method of determining an angle α of an external magnetic field relative to a magneto resistive angle sensor with two full bridges which respectively supply an output signal $U_1 = U_0\sin(2\alpha)$, $U_2 = U_0\cos(2\alpha)$, characterized in that the angle α is determined in an analog manner using the relation $\alpha = \frac{1}{2} * ((U_1/(|U_1|+|U_2|))-1 * \text{sgn}(U_2))$.
2. *(Currently Amended)* A method as claimed in claim 1, The method as recited in claim 1, characterized in that AMR anisotropic magneto resistive (AMR) bridges are used. bridges are used, in particular Wheatstone bridges.
3. *(Currently Amended)* A method as claimed in claim 1 or 2, The method as recited in claim 1, characterized in that output signals of the bridges are processed using analog elements.
4. *(Currently Amended)* The use of the method as claimed in any of claims 1 to 3 in motor vehicle technology, in particular for pedal monitoring and/or throttle monitoring, as recited in claim 1 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.
5. *(New)* The method as recited in claim 2, characterized in that output signals of the bridges are processed using analog elements.
6. *(New)* The method as recited in claim 2, characterized in the AMR bridges are Wheatstone bridges.
7. *(New)* The use of the method as recited in claim 2 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.
8. *(New)* The use of the method as recited in claim 3 in motor vehicle technology, for monitoring at least one of the following: pedal or throttle.

9. (*New*) The method as recited in claim 4, wherein the pedal includes at least one of the following: brake pedal, gas pedal.